

## EAST Search History

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------|------------------|---------|------------------|
| S1    | 302  | (348/97).CCLS.   | USPAT              | OR               | OFF     | 2006/04/25 16:36 |
| S2    | 277  | (348/96).CCLS.   | USPAT              | OR               | OFF     | 2005/03/08 12:11 |
| S3    | 466  | (S1 S2) and @pd<="20021021"                                      | US-PGPUB;<br>USPAT | OR               | ON      | 2005/03/08 18:39 |
| S5    | 4    | ((("6829004") or ("6791721") or ("6456319") or ("6728428"))).PN. | USPAT              | OR               | OFF     | 2005/03/08 12:31 |
| S6    | 64   | ((reverse or inverse) near3 telecine) or IVTC                    | USPAT              | OR               | ON      | 2005/03/08 14:09 |
| S7    | 4743 | video near4 film   | USPAT              | OR               | ON      | 2005/03/08 14:09 |
| S8    | 92   | convert near4 video near4 film                                   | USPAT              | OR               | ON      | 2005/05/13 13:23 |
| S10   | 379  | (S1 S2) and @pd<="20021021" and film                             | US-PGPUB;<br>USPAT | OR               | ON      | 2005/03/08 19:21 |
| S11   | 83   | (S1 S2) and @pd<="20021021" and film near5 convert               | US-PGPUB;<br>USPAT | OR               | ON      | 2005/03/08 19:21 |
| S13   | 3    | ((("5946031") or ("20030174227") or ("20040090414"))).PN.        | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/03/10 18:32 |
| S14   | 6334 | (345/87-104).CCLS.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/03/10 18:32 |
| S15   | 290  | S14 and photo  | USPAT              | OR               | ON      | 2005/03/10 18:32 |
| S16   | 134  | S14 and photosensitive   | USPAT              | OR               | ON      | 2005/03/10 19:24 |
| S17   | 69   | (348/209.99).CCLS.   | USPAT              | OR               | OFF     | 2005/03/10 19:47 |
| S18   | 2    | (348/209.99).CCLS.   | US-PGPUB           | OR               | OFF     | 2005/03/10 19:24 |
| S19   | 658  | lcd same project\$4 same film                                    | USPAT              | OR               | ON      | 2005/03/10 19:49 |
| S20   | 34   | lcd same project\$4 same (photo\$8 near film)                    | USPAT              | OR               | ON      | 2005/03/10 21:41 |
| S21   | 2    | ((("5,325,137") or ("5,805,274"))).PN.                           | USPAT              | OR               | OFF     | 2005/03/10 19:58 |
| S22   | 23   | convert adj4 video adj6 film                                     | USPAT              | OR               | ON      | 2005/03/10 20:31 |
| S23   | 1967 | "353".clas. and (lcd or (liquid adj crystal))                    | USPAT              | OR               | ON      | 2005/03/10 20:39 |
| S24   | 627  | (353/84-87).CCLS.  | USPAT              | OR               | OFF     | 2005/03/10 20:39 |
| S25   | 152  | S24 and (lcd or (liquid adj crystal))                            | USPAT              | OR               | ON      | 2005/03/10 20:43 |
| S26   | 64   | S24 and (lcd or (liquid adj crystal)) and film                   | USPAT              | OR               | ON      | 2005/03/10 20:43 |
| S27   | 0    | ("2004/0090414").URPN.   | USPAT              | OR               | ON      | 2005/03/10 21:14 |
| S28   | 83   | (liquid adj crystal) same project\$4 same (photo\$8 near film)   | USPAT              | OR               | ON      | 2005/03/10 21:41 |
| S29   | 8    | aperture same (high adj4 frequency adj2 cutoff)                  | USPAT              | OR               | ON      | 2005/03/11 12:09 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S30 | 37418 | aperture with shape   | USPAT                                       | OR | ON  | 2005/03/11 12:09 |
| S31 | 85    | projector same aperture with shape  | USPAT                                       | OR | ON  | 2005/03/11 12:11 |
| S32 | 1     | ("5,210,645").PN.   | USPAT                                       | OR | OFF | 2005/03/11 12:11 |
| S33 | 25    | ("1977689"   "2215900"   "2224178"   "2254961"   "2254962"   "2356654"   "2469080"   "2908197"   "4767172"   "4770514"   "5343330"   "5526190"   "5757557"   "5775792"   "5813743"   "6547423"   "6642667").PN. | US-PGPUB; USPAT; USOCR                      | OR | ON  | 2005/03/11 13:37 |
| S34 | 3     | projector same (aperture with noise with reduc\$4)  | US-PGPUB; USPAT; USOCR                      | OR | ON  | 2005/03/11 13:42 |
| S35 | 442   | lcd with (film or photo\$1sensitive) with expos\$6  | USPAT                                       | OR | ON  | 2005/03/30 14:00 |
| S36 | 312   | (lcd with (film or photo\$1sensitive) with expos\$6) and image\$1   | USPAT                                       | OR | ON  | 2005/03/30 14:03 |
| S37 | 184   | ((lcd with (film or photo\$1sensitive) with expos\$6) and image\$1) not (thin adj film)   | USPAT                                       | OR | ON  | 2005/04/02 16:04 |
| S38 | 7     | ("4334734"   "4486760"   "4790632"   "4842379"   "5321789"   "5970215"   "6421103").PN.   | US-PGPUB; USPAT; USOCR                      | OR | ON  | 2005/03/30 14:54 |
| S39 | 43821 | ((stopping adj down) or size) with aperture   | USPAT                                       | OR | ON  | 2005/04/02 14:33 |
| S40 | 2790  | ((stopping adj down) or size) with aperture with image  | USPAT                                       | OR | ON  | 2005/04/02 14:34 |
| S41 | 435   | aperture same ((one adj fifth) or ("1/5"))  | USPAT                                       | OR | ON  | 2005/04/02 14:34 |
| S42 | 781   | aperture same ((one adj fifth) or ("1/5"))  | US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/04/02 14:34 |
| S43 | 272   | aperture with ((one adj fifth) or ("1/5"))  | US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/04/02 14:37 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S44 | 16   | aperture with ((one adj fifth) or ("1/5")) with size                                    | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/04/02 14:37 |
| S45 | 29   | aperture with ((one adj fifth) or ("1/5")) with size                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/04/02 14:40 |
| S46 | 54   | aperture with ((one adj fifth) or ("1/5")) with light                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/04/02 14:40 |
| S47 | 1    | ("5805274").PN.   | USPAT   | OR | OFF | 2005/04/02 15:36 |
| S48 | 206  | telecine and aperture   | USPAT   | OR | ON  | 2005/04/02 16:25 |
| S49 | 1    | ("5457491").PN.   | USPAT   | OR | OFF | 2005/04/02 16:11 |
| S50 | 2    | ((("5,325,137") or ("5,805,274"))).PN.  | USPAT   | OR | OFF | 2005/04/02 16:25 |
| S51 | 7    | ("3949225"   "6067109"   "6091445"   "6144408"   "6268600"   "6323967"   "6380539").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/04/02 16:28 |
| S52 | 2176 | fuji.as. and laser and image and film and reading                                       | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/04/02 16:32 |
| S53 | 1993 | "Fuji Photo Film".as. and laser and image and film and reading                          | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/04/02 16:31 |
| S54 | 964  | aperture with (high adj frequency)  | USPAT   | OR | ON  | 2005/04/13 17:42 |
| S55 | 3    | aperture with (high adj frequency) with (cutoff or cutoff)                              | USPAT   | OR | ON  | 2005/04/13 18:04 |
| S56 | 288  | aperture with (low-pass or "low pass")  | USPAT   | OR | ON  | 2005/04/13 18:46 |
| S57 | 291  | aperture with (low-pass or "low pass" or high-cut or "high cut")                        | USPAT   | OR | ON  | 2005/04/13 18:40 |
| S58 | 3    | aperture with (high-cut or "high cut")  | USPAT   | OR | ON  | 2005/04/13 18:40 |
| S59 | 273  | aperture with (low-pass or "low pass") and @ad<="20021022"                              | USPAT   | OR | ON  | 2005/04/13 18:47 |
| S60 | 240  | aperture with (low-pass or "low pass") and @pd<="20021022"                              | USPAT   | OR | ON  | 2005/04/14 11:07 |

## EAST Search History

|     |     |   |                              |    |     |                  |
|-----|-----|---|------------------------------|----|-----|------------------|
| S61 | 62  | aperture near4 (low-pass or "low pass") and @pd<="20021022"   | USPAT                        | OR | ON  | 2005/04/14 10:15 |
| S62 | 21  | aperture with (low-pass or "low pass") with spatial and @pd<="20021022"   | USPAT                        | OR | ON  | 2005/04/14 13:51 |
| S63 | 357 | (348/335).CCLS.   | USPAT                        | OR | OFF | 2005/04/14 14:27 |
| S64 | 125 | (348/342).CCLS.   | USPAT                        | OR | OFF | 2005/04/14 14:27 |
| S65 | 55  | (348/343).CCLS.   | USPAT                        | OR | OFF | 2005/04/14 14:27 |
| S66 | 53  | (348/344).CCLS.   | USPAT                        | OR | OFF | 2005/04/14 14:27 |
| S67 | 212 | (348/362).CCLS.   | USPAT                        | OR | OFF | 2005/04/14 14:27 |
| S68 | 173 | (348/363).CCLS.   | USPAT                        | OR | OFF | 2005/04/14 14:27 |
| S70 | 27  | (S63 S64 S65 S66 S67 S68) and (aperture same (spatial with frequency))  | USPAT                        | OR | ON  | 2005/04/14 14:27 |
| S71 | 205 | (348/335).CCLS.   | US-PGPUB                     | OR | OFF | 2005/04/14 14:27 |
| S72 | 29  | (348/342).CCLS.   | US-PGPUB                     | OR | OFF | 2005/04/14 14:27 |
| S73 | 158 | (348/362).CCLS.   | US-PGPUB                     | OR | OFF | 2005/04/14 14:27 |
| S74 | 29  | (348/363).CCLS.   | US-PGPUB                     | OR | OFF | 2005/04/14 14:27 |
| S75 | 7   | (348/344).CCLS.   | US-PGPUB                     | OR | OFF | 2005/04/14 14:27 |
| S76 | 1   | (348/343).CCLS.   | US-PGPUB                     | OR | OFF | 2005/04/14 14:27 |
| S77 | 10  | (S71 S72 S73 S74 S75 S76) and (aperture same (spatial with frequency))  | US-PGPUB                     | OR | ON  | 2005/04/14 14:28 |
| S78 | 302 | (348/97).CCLS.  | USPAT                        | OR | OFF | 2005/04/14 16:53 |
| S80 | 663 | telecine and video  | USPAT                        | OR | ON  | 2005/04/14 16:53 |
| S81 | 495 | telecine and (film with video)  | USPAT                        | OR | ON  | 2005/04/14 16:54 |
| S82 | 412 | telecine and (film with video) and @pd<="20021022"  | USPAT                        | OR | ON  | 2005/04/14 16:54 |
| S83 | 165 | telecine and laser  | USPAT                        | OR | ON  | 2005/04/15 15:58 |
| S84 | 9   | ("3798355"   "3803353"   "3943559"   "4001874"   "4689696"   "5392080"   "5761349"   "5883987"   "5887087").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/04/15 16:08 |
| S85 | 6   | ((("6366708") or ("5805274") or ("5833341") or ("5140428") or ("6219092") or ("4720637"))).PN.                  | USPAT                        | OR | OFF | 2005/04/16 15:26 |
| S86 | 1   | ("4614415").PN.   | USPAT                        | OR | OFF | 2005/04/16 15:26 |
| S87 | 1   | ("20040135893").PN.   | US-PGPUB                     | OR | OFF | 2005/05/13 16:08 |
| S88 | 16  | (aperture or iris) near5 nyquist  | USPAT                        | OR | ON  | 2005/05/13 16:09 |
| S89 | 2   | (aperture or iris) near5 nyquist  | US-PGPUB                     | OR | ON  | 2005/05/13 16:09 |

## EAST Search History

|          |      |  |  |    |     |                  |
|----------|------|--|--|----|-----|------------------|
| S90      | 16   | (aperture or iris) with nyquist  | US-PGPUB                                   | OR | ON  | 2005/05/13 16:36 |
| S91      | 58   | (aperture or iris) with nyquist  | USPAT                                      | OR | ON  | 2005/05/13 16:09 |
| S92      | 12   | (aperture or iris) with nyquist  | USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/13 16:36 |
| S93      | 6    | ((("4614415") or ("6091445") or<br>("5457491") or ("5424802") or<br>("6222650") or ("4848897"))).PN. | USPAT                                      | OR | OFF | 2005/05/16 10:13 |
| S94      | 7    | ("4334734"   "4486760"  <br>"4790632"   "4842379"  <br>"5321789"   "5970215"  <br>"6421103").PN.     | US-PGPUB;<br>USPAT;<br>USOCR               | OR | ON  | 2005/06/21 17:08 |
| S95      | 309  | (348/97).CCLS.   | USPAT                                      | OR | OFF | 2005/12/15 19:29 |
| S96      | 285  | (348/96).CCLS.   | USPAT                                      | OR | OFF | 2005/12/15 19:21 |
| S10<br>2 | 83   | (S95 S96) and @pd<="20021021"<br>and film near5 convert  | US-PGPUB;<br>USPAT                         | OR | ON  | 2005/12/15 19:21 |
| S10<br>3 | 7323 | (345/87-104).CCLS.   | US-PGPUB;<br>USPAT                         | OR | OFF | 2005/12/15 19:21 |
| S10<br>4 | 317  | S103 and photo   | USPAT                                      | OR | ON  | 2005/12/15 19:29 |
| S10<br>6 | 3    | (348/209.99).CCLS.   | US-PGPUB                                   | OR | OFF | 2005/12/15 19:21 |
| S10<br>7 | 70   | (348/209.99).CCLS.   | USPAT                                      | OR | OFF | 2005/12/15 19:30 |
| S11<br>1 | 664  | (353/84-87).CCLS.  | USPAT                                      | OR | OFF | 2005/12/15 19:29 |
| S12<br>9 | 384  | (348/335).CCLS.  | USPAT                                      | OR | OFF | 2005/12/15 19:29 |
| S13<br>0 | 131  | (348/342).CCLS.  | USPAT                                      | OR | OFF | 2005/12/15 19:29 |
| S13<br>1 | 247  | (348/362).CCLS.  | USPAT                                      | OR | OFF | 2005/12/15 19:29 |
| S13<br>2 | 183  | (348/363).CCLS.  | USPAT                                      | OR | OFF | 2005/12/15 19:29 |
| S13<br>3 | 56   | (348/344).CCLS.  | USPAT                                      | OR | OFF | 2005/12/15 19:21 |
| S13<br>4 | 56   | (348/343).CCLS.  | USPAT                                      | OR | OFF | 2005/12/15 19:21 |
| S13<br>6 | 261  | (348/335).CCLS.  | US-PGPUB                                   | OR | OFF | 2005/12/15 19:29 |
| S13<br>7 | 30   | (348/342).CCLS.  | US-PGPUB                                   | OR | OFF | 2005/12/15 19:29 |

## EAST Search History

|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S13<br>8 | 201  | (348/362).CCLS.   | US-PGPUB  | OR | OFF | 2005/12/15 19:29 |
| S13<br>9 | 36   | (348/363).CCLS.   | US-PGPUB  | OR | OFF | 2005/12/15 19:29 |
| S14<br>0 | 8    | (348/344).CCLS.   | US-PGPUB  | OR | OFF | 2005/12/15 19:30 |
| S14<br>1 | 1    | (348/343).CCLS.   | US-PGPUB  | OR | OFF | 2005/12/15 19:30 |
| S14<br>2 | 309  | (348/97).CCLS.  | USPAT   | OR | OFF | 2005/12/15 19:21 |
| S15<br>2 | 77   | hexagonal with pixel with pattern   | USPAT   | OR | ON  | 2006/04/24 21:44 |
| S15<br>3 | 18   | hexagonal near2 pixel near2 pattern   | USPAT   | OR | ON  | 2006/04/24 21:46 |
| S15<br>4 | 2512 | pixel adj pattern   | USPAT   | OR | ON  | 2006/04/24 22:03 |
| S15<br>5 | 24   | pixel adj pattern with diagonal   | USPAT   | OR | ON  | 2006/04/24 21:47 |
| S15<br>6 | 1589 | pixel adj pattern and @ad<="19981111"   | USPAT   | OR | ON  | 2006/04/24 21:50 |
| S15<br>7 | 523  | pixel adj pattern and lcd   | USPAT   | OR | ON  | 2006/04/24 21:50 |
| S15<br>8 | 12   | ("5161027").URPN.   | USPAT   | OR | ON  | 2006/04/24 21:59 |
| S15<br>9 | 6    | (pixel adj pattern) and nyquist and (aperture or iris or diaphragm)                 | USPAT   | OR | ON  | 2006/04/24 22:25 |
| S16<br>0 | 10   | (pixel adj pattern) and nyquist and (aperture or iris or diaphragm)                 | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/24 22:28 |
| S16<br>1 | 0    | ("2004/0135893").URPN.  | USPAT   | OR | ON  | 2006/04/24 22:26 |
| S16<br>2 | 24   | (pixel adj pattern) and (high near3 spatial\$3) and (aperture or iris or diaphragm) | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/24 22:29 |
| S16<br>3 | 40   | (pixel adj pattern) and (high near3 spatial\$3) and (aperture or iris or diaphragm) | USPAT   | OR | ON  | 2006/04/24 22:36 |
| S16<br>4 | 1    | ("20050286123").PN.   | US-PGPUB  | OR | OFF | 2006/04/26 09:59 |
| S16<br>5 | 312  | (348/97).CCLS.  | USPAT   | OR | OFF | 2006/04/26 12:48 |

## EAST Search History

|          |      |   |                    |    |     |                  |
|----------|------|---|--------------------|----|-----|------------------|
| S16<br>6 | 292  | (348/96).CCLS.  | USPAT              | OR | OFF | 2006/04/26 10:23 |
| S16<br>7 | 466  | (S165 S166) and<br>@pd<="20021021"                                | US-PGPUB;<br>USPAT | OR | ON  | 2006/04/26 10:23 |
| S16<br>9 | 69   | ((reverse or inverse) near3<br>telecine) or IVTC                  | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S17<br>0 | 5111 | video near4 film  | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S17<br>1 | 96   | convert near4 video near4 film                                    | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S17<br>2 | 379  | (S165 S166) and<br>@pd<="20021021" and film                       | US-PGPUB;<br>USPAT | OR | ON  | 2006/04/26 10:23 |
| S17<br>3 | 83   | (S165 S166) and<br>@pd<="20021021" and film near5<br>convert      | US-PGPUB;<br>USPAT | OR | ON  | 2006/04/26 10:23 |
| S17<br>4 | 7859 | (345/87-104).CCLS.  | US-PGPUB;<br>USPAT | OR | OFF | 2006/04/26 10:23 |
| S17<br>5 | 337  | S174 and photo  | USPAT              | OR | ON  | 2006/04/26 12:37 |
| S17<br>6 | 156  | S174 and photosensitive   | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S17<br>7 | 3    | (348/209.99).CCLS.  | US-PGPUB           | OR | OFF | 2006/04/26 10:23 |
| S17<br>8 | 70   | (348/209.99).CCLS.  | USPAT              | OR | OFF | 2006/04/26 10:23 |
| S17<br>9 | 787  | lcd same project\$4 same film                                     | USPAT              | OR | ON  | 2006/04/26 12:37 |
| S18<br>0 | 39   | lcd same project\$4 same (photo\$8<br>near film)                  | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S18<br>2 | 23   | convert adj4 video adj6 film                                      | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S18<br>3 | 2340 | "353".clas. and (lcd or (liquid adj<br>crystal))                  | USPAT              | OR | ON  | 2006/04/26 12:31 |
| S18<br>4 | 692  | (353/84-87).CCLS.   | USPAT              | OR | OFF | 2006/04/26 12:37 |
| S18<br>5 | 202  | S184 and (lcd or (liquid adj<br>crystal))                         | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S18<br>6 | 79   | S184 and (lcd or (liquid adj<br>crystal)) and film                | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S18<br>7 | 91   | (liquid adj crystal) same project\$4<br>same (photo\$8 near film) | USPAT              | OR | ON  | 2006/04/26 10:23 |
| S18<br>8 | 8    | aperture same (high adj4<br>frequency adj2 cutoff)                | USPAT              | OR | ON  | 2006/04/26 10:23 |

## EAST Search History

|      |       |   |   |    |    |                  |
|------|-------|---|---|----|----|------------------|
| S189 | 39685 | aperture with shape   | USPAT   | OR | ON | 2006/04/26 10:34 |
| S190 | 93    | projector same aperture with shape  | USPAT   | OR | ON | 2006/04/26 10:23 |
| S191 | 5     | projector same (aperture with noise with reduc\$4)                                      | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/04/26 10:23 |
| S192 | 530   | lcd with (film or photo\$1sensitive) with expos\$6                                      | USPAT   | OR | ON | 2006/04/26 12:37 |
| S193 | 390   | (lcd with (film or photo\$1sensitive) with expos\$6) and image\$1                       | USPAT   | OR | ON | 2006/04/26 10:23 |
| S194 | 201   | ((lcd with (film or photo\$1sensitive) with expos\$6) and image\$1) not (thin adj film) | USPAT   | OR | ON | 2006/04/26 10:23 |
| S196 | 46120 | ((stopping adj down) or size) with aperture   | USPAT   | OR | ON | 2006/04/26 10:23 |
| S197 | 2962  | ((stopping adj down) or size) with aperture with image                                  | USPAT   | OR | ON | 2006/04/26 10:23 |
| S198 | 460   | aperture same ((one adj fifth) or ("1/5"))  | USPAT   | OR | ON | 2006/04/26 12:36 |
| S199 | 808   | aperture same ((one adj fifth) or ("1/5"))  | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2006/04/26 12:36 |
| S200 | 287   | aperture with ((one adj fifth) or ("1/5"))  | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2006/04/26 10:23 |
| S201 | 17    | aperture with ((one adj fifth) or ("1/5")) with size                                    | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2006/04/26 11:24 |
| S202 | 32    | aperture with ((one adj fifth) or ("1/5")) with size                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 10:23 |
| S203 | 59    | aperture with ((one adj fifth) or ("1/5")) with light                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 10:23 |



## EAST Search History

|          |      |  |                              |    |     |                  |
|----------|------|--|------------------------------|----|-----|------------------|
| S20<br>5 | 210  | telecine and aperture  | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S20<br>8 | 2333 | "Fuji Photo Film".as. and laser and image and film and reading               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/04/26 10:23 |
| S20<br>9 | 2555 | fuji.as. and laser and image and film and reading                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/04/26 10:23 |
| S21<br>0 | 1018 | aperture with (high adj frequency)   | USPAT                        | OR | ON  | 2006/04/26 12:36 |
| S21<br>1 | 3    | aperture with (high adj frequency) with (cutoff or cutoff)                   | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S21<br>2 | 326  | aperture with (low-pass or "low pass")                                       | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S21<br>3 | 329  | aperture with (low-pass or "low pass" or high-cut or "high cut")             | USPAT                        | OR | ON  | 2006/04/26 12:36 |
| S21<br>4 | 3    | aperture with (high-cut or "high cut")                                       | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S21<br>5 | 279  | aperture with (low-pass or "low pass") and @ad<="20021022"                   | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S21<br>6 | 240  | aperture with (low-pass or "low pass") and @pd<="20021022"                   | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S21<br>7 | 62   | aperture near4 (low-pass or "low pass") and @pd<="20021022"                  | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S21<br>8 | 21   | aperture with (low-pass or "low pass") with spatial and @pd<="20021022"      | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S21<br>9 | 397  | (348/335).CCLS.  | USPAT                        | OR | OFF | 2006/04/26 12:36 |
| S22<br>0 | 137  | (348/342).CCLS.  | USPAT                        | OR | OFF | 2006/04/26 12:36 |
| S22<br>1 | 270  | (348/362).CCLS.  | USPAT                        | OR | OFF | 2006/04/26 12:36 |
| S22<br>2 | 189  | (348/363).CCLS.  | USPAT                        | OR | OFF | 2006/04/26 12:36 |
| S22<br>3 | 57   | (348/344).CCLS.  | USPAT                        | OR | OFF | 2006/04/26 10:23 |
| S22<br>4 | 56   | (348/343).CCLS.  | USPAT                        | OR | OFF | 2006/04/26 10:23 |
| S22<br>5 | 30   | (S219 S220 S224 S223 S221 S222) and (aperture same (spatial with frequency)) | USPAT                        | OR | ON  | 2006/04/26 10:23 |
| S22<br>6 | 279  | (348/335).CCLS.  | US-PGPUB                     | OR | OFF | 2006/04/26 12:36 |

## EAST Search History

|          |      |  |  |    |     |                  |
|----------|------|--|--|----|-----|------------------|
| S22<br>7 | 31   | (348/342).CCLS.  | US-PGPUB                                   | OR | OFF | 2006/04/26 11:24 |
| S22<br>8 | 223  | (348/362).CCLS.  | US-PGPUB                                   | OR | OFF | 2006/04/26 12:36 |
| S22<br>9 | 41   | (348/363).CCLS.  | US-PGPUB                                   | OR | OFF | 2006/04/26 11:24 |
| S23<br>0 | 9    | (348/344).CCLS.  | US-PGPUB                                   | OR | OFF | 2006/04/26 11:23 |
| S23<br>1 | 1    | (348/343).CCLS.  | US-PGPUB                                   | OR | OFF | 2006/04/26 11:23 |
| S23<br>2 | 10   | (S226 S227 S228 S229 S230 S231) and (aperture same (spatial with frequency)) | US-PGPUB                                   | OR | ON  | 2006/04/26 10:23 |
| S23<br>3 | 312  | (348/97).CCLS.   | USPAT                                      | OR | OFF | 2006/04/26 10:23 |
| S23<br>4 | 697  | telecine and video   | USPAT                                      | OR | ON  | 2006/04/26 12:36 |
| S23<br>5 | 522  | telecine and (film with video)   | USPAT                                      | OR | ON  | 2006/04/26 10:23 |
| S23<br>6 | 412  | telecine and (film with video) and @pd<="20021022"                           | USPAT                                      | OR | ON  | 2006/04/26 10:23 |
| S23<br>7 | 169  | telecine and laser   | USPAT                                      | OR | ON  | 2006/04/26 10:23 |
| S24<br>0 | 16   | (aperture or iris) near5 nyquist   | USPAT                                      | OR | ON  | 2006/04/26 11:24 |
| S24<br>1 | 10   | (aperture or iris) near5 nyquist   | US-PGPUB                                   | OR | ON  | 2006/04/26 11:24 |
| S24<br>2 | 61   | (aperture or iris) with nyquist  | USPAT                                      | OR | ON  | 2006/04/26 10:23 |
| S24<br>3 | 31   | (aperture or iris) with nyquist  | US-PGPUB                                   | OR | ON  | 2006/04/26 10:23 |
| S24<br>4 | 12   | (aperture or iris) with nyquist  | USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/04/26 10:23 |
| S24<br>7 | 7859 | (345/87-104).CCLS.   | US-PGPUB;<br>USPAT                         | OR | OFF | 2006/04/26 12:35 |
| S24<br>8 | 312  | (348/97).CCLS.   | USPAT                                      | OR | OFF | 2006/04/26 12:35 |
| S24<br>9 | 292  | (348/96).CCLS.   | USPAT                                      | OR | OFF | 2006/04/26 12:35 |
| S25<br>0 | 83   | (S248 S249) and @pd<="20021021" and film near5 convert                       | US-PGPUB;<br>USPAT                         | OR | ON  | 2006/04/26 10:23 |

## EAST Search History

|          |      |  |          |    |     |                  |
|----------|------|--|----------|----|-----|------------------|
| S25<br>1 | 3    | (348/209.99).CCLS.                       | US-PGPUB | OR | OFF | 2006/04/26 10:23 |
| S25<br>2 | 70   | (348/209.99).CCLS.                       | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S25<br>3 | 57   | (348/344).CCLS.                          | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S25<br>4 | 56   | (348/343).CCLS.                          | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S25<br>8 | 337  | S247 and photo                           | USPAT    | OR | ON  | 2006/04/26 10:23 |
| S25<br>9 | 137  | (348/342).CCLS.                          | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S26<br>0 | 397  | (348/335).CCLS.                          | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S26<br>1 | 692  | (353/84-87).CCLS.                        | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S26<br>2 | 189  | (348/363).CCLS.                          | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S26<br>3 | 270  | (348/362).CCLS.                          | USPAT    | OR | OFF | 2006/04/26 10:23 |
| S26<br>4 | 279  | (348/335).CCLS.                          | US-PGPUB | OR | OFF | 2006/04/26 10:23 |
| S26<br>5 | 31   | (348/342).CCLS.                          | US-PGPUB | OR | OFF | 2006/04/26 10:23 |
| S26<br>6 | 223  | (348/362).CCLS.                          | US-PGPUB | OR | OFF | 2006/04/26 10:23 |
| S26<br>7 | 41   | (348/363).CCLS.                          | US-PGPUB | OR | OFF | 2006/04/26 10:23 |
| S26<br>8 | 9    | (348/344).CCLS.                          | US-PGPUB | OR | OFF | 2006/04/26 10:23 |
| S26<br>9 | 1    | (348/343).CCLS.                          | US-PGPUB | OR | OFF | 2006/04/26 10:23 |
| S27<br>0 | 77   | hexagonal with pixel with pattern        | USPAT    | OR | ON  | 2006/04/26 10:23 |
| S27<br>1 | 18   | hexagonal near2 pixel near2<br>pattern   | USPAT    | OR | ON  | 2006/04/26 10:23 |
| S27<br>2 | 2518 | pixel adj pattern                        | USPAT    | OR | ON  | 2006/04/26 10:53 |
| S27<br>3 | 24   | pixel adj pattern with diagonal          | USPAT    | OR | ON  | 2006/04/26 10:23 |
| S27<br>4 | 1589 | pixel adj pattern and<br>@ad<="19981111" | USPAT    | OR | ON  | 2006/04/26 10:23 |
| S27<br>5 | 526  | pixel adj pattern and lcd                | USPAT    | OR | ON  | 2006/04/26 10:23 |

## EAST Search History

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S27<br>7 | 6    | (pixel adj pattern) and nyquist and (aperture or iris or diaphragm)                 | USPAT   | OR | ON | 2006/04/26 10:23 |
| S27<br>8 | 10   | (pixel adj pattern) and nyquist and (aperture or iris or diaphragm)                 | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 10:23 |
| S27<br>9 | 24   | (pixel adj pattern) and (high near3 spatial\$3) and (aperture or iris or diaphragm) | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 10:36 |
| S28<br>0 | 40   | (pixel adj pattern) and (high near3 spatial\$3) and (aperture or iris or diaphragm) | USPAT   | OR | ON | 2006/04/26 10:23 |
| S28<br>1 | 214  | aperture with shape with pixel  | USPAT   | OR | ON | 2006/04/26 10:35 |
| S28<br>2 | 278  | aperture with shape with pixel  | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 10:51 |
| S28<br>3 | 4    | (aperture with shape with pixel) and nyquist  | USPAT   | OR | ON | 2006/04/26 10:35 |
| S28<br>4 | 7    | (aperture with shape with pixel) and nyquist  | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 10:35 |
| S28<br>5 | 0    | ("2004/0135893").URPN.  | USPAT   | OR | ON | 2006/04/26 10:42 |
| S28<br>6 | 1    | 1987-356858.NRAN.   | DERWENT   | OR | ON | 2006/04/26 10:48 |
| S28<br>8 | 8    | S247 and nyquist  | USPAT   | OR | ON | 2006/04/26 13:11 |
| S28<br>9 | 9    | S247 and nyquist  | US-PGPUB;<br>USPAT                                      | OR | ON | 2006/04/26 13:11 |
| S29<br>0 | 4615 | spatial adj filter  | USPAT   | OR | ON | 2006/04/26 13:17 |
| S29<br>1 | 1043 | spatial adj filter same pattern   | USPAT   | OR | ON | 2006/04/26 13:17 |
| S29<br>2 | 93   | spatial adj filter same (pixel near4 pattern)                                       | USPAT   | OR | ON | 2006/04/26 13:40 |
| S29<br>3 | 4    | fourier adj filter same (pixel near4 pattern)                                       | USPAT   | OR | ON | 2006/04/26 13:41 |

## EAST Search History

|          |     |  |   |    |    |                  |
|----------|-----|--|---|----|----|------------------|
| S29<br>4 | 1   | fourier adj filter same (pixel near4<br>pattern) | US-PGPUB;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/04/26 13:40 |
| S29<br>5 | 161 | fourier adj filter                               | USPAT   | OR | ON | 2006/04/26 13:50 |
| S29<br>6 | 38  | fourier adj filter same pattern                  | USPAT   | OR | ON | 2006/04/26 13:41 |
| S29<br>7 | 20  | fourier adj filter same pixel                    | USPAT   | OR | ON | 2006/04/26 13:50 |